

**IN THE CLAIMS:**

Please amend the claims as follows:

Claim 1 (Currently Amended): A recording pulse generating apparatus for generating recording pulse signals having pulse widths corresponding to pits having various lengths, comprising:

a first pulse generating ~~means for generating~~ device which generates the recording pulse signal so that an amplitude of the recording pulse signal corresponding to a pit having ~~at least one kind of~~ length less than a preset length changes from a first amplitude which is an amplitude of front end of the recording pulse signal to a second amplitude which is lower than the first amplitude and is an amplitude of rear end of the recording pulse signal; and

a second pulse generating ~~means for generating~~ device which generates the recording pulse signal so that an amplitude of the recording pulse signal corresponding to a pit having a length equal to or longer than the ~~pre-set~~ preset length changes from a third amplitude which is an amplitude of front end of the recording pulse signal to a fourth amplitude lower than the third amplitude, and further changes to a fifth amplitude which is higher than the fourth amplitude and is an amplitude of rear end of the recording pulse signal,

wherein the first and second pulse generating devices generate the recording pulse signals so that the first and third amplitudes become equal to each other.

Claim 2 (Currently Amended): The recording pulse generating apparatus according to claim 1,

wherein the second pulse generating ~~[[means]]~~ device generates the recording pulse signal so that the third and fifth amplitudes become equal to each other.

Claim 3 (Cancelled).

Claim 4 (Currently Amended): The recording pulse generating apparatus according to ~~any one of claims~~ claim 1 ~~[[to 3]]~~,

wherein the first and second pulse generating ~~[[means]]~~ devices generates the recording pulse signals so that the second and fourth amplitudes become equal to each other.

Claim 5 (Currently Amended): The recording pulse generating apparatus according to claim 1, wherein the first pulse generating ~~[[means]]~~ device generates the recording pulse signal so that the amplitude of the recording pulse signal corresponding to one or more kinds of pits each having a length less than the preset length changes from the first amplitude to the second amplitude, and

generates the recording pulse signal so that the amplitude of the recording pulse signal corresponding to the other kind of pits having a length less than the ~~pre-set~~ preset length becomes a sixth amplitude.

Claim 6 (Currently Amended): The recording pulse generating apparatus according to claim 5,

wherein the first pulse generating ~~[[means]]~~ device generates the recording pulse signals so that the first amplitude and the sixth amplitude become equal to each other.

Claim 7 (Currently Amended): The recording pulse generating apparatus according to claim 1,

wherein the first pulse generating ~~[[means]]~~ device and the second pulse generating ~~means-generates~~ device generate the recording pulse signals so that time in which the amplitude of the recording pulse signal generated by the first pulse generating ~~[[means]]~~ device is the first amplitude is longer than time in which the amplitude of the recording pulse signal generated by the second pulse generating ~~[[means]]~~ device is the third amplitude.

Claim 8 (Currently Amended): An information recording apparatus comprising:  
the recording pulse generating apparatus according to claim 1, and  
a recording means for recording device which records the information by forming the pit  
using the recording pulse signal generated.

Claim 9 (New): An information recording method of forming a pit by using a generated  
recording pulse signal, and recording information on an information recording medium,  
said method comprising:

a first pulse generating process of generating the recording pulse signal so that an  
amplitude of the recording pulse signal corresponding to a pit having length less than a preset  
length changes from a first amplitude which is an amplitude of front end of the recording pulse  
signal to a second amplitude which is lower than the first amplitude and is an amplitude of rear  
end of the recording pulse signal;

a second pulse generating process of generating the recording pulse signal so that an  
amplitude of the recording pulse signal corresponding to a pit having a length equal to or longer  
than the preset length changes from a third amplitude which is an amplitude of front end of the  
recording pulse signal to a fourth amplitude lower than the third amplitude, and further changes  
to a fifth amplitude which is higher than the fourth amplitude and is an amplitude of rear end of  
the recording pulse signal, and

a recording process of forming the pit by using the generated recording pulse signal, and  
recording the information,

wherein in the first and second pulse generating processes, the recording pulse signals are  
generated so that the first and third amplitudes become equal to each other.